

This Listing Statement is compiled by the Exchange from documents filed by the Company in making application for listing. It is issued for the information of members, member firms and member corporations of the Exchange. It is not and is not to be construed as a prospectus. The Exchange has received no consideration in connection with the issue of this Listing Statement other than the customary listing fee. The documents referred to above are open for inspection at the general office of the Exchange.

LISTING STATEMENT No. 2005

LISTED FEBRUARY 16th, 1959  
5,000,000 shares of \$1.00 par value  
Ticker abbreviation ISO  
Dial ticker number 352  
Post section 5.3

## TORONTO STOCK EXCHANGE

### LISTING STATEMENT

[NOW ISO MINES LTD]

MAR 20 1959

## ISO URANIUM MINES LIMITED

(No Personal Liability)

Incorporated under the laws of the Province of Ontario by Letters Patent dated the 23rd of October 1952 and by Supplementary Letters Patent dated the 30th of July 1956 increasing the authorized capital from \$3,000,000.00 to \$5,000,000.00.

1. Address of the Company's Head Office and of any other offices:

Suite 1403, 100 Adelaide St. West, Toronto, Ontario.

2. Officers of the Company:

OFFICE HELD	NAME	ADDRESS	OCCUPATION
President	James Patrick Dolan	7 Glen Rush Blvd., Toronto, Ontario.	Prospector
Vice-President	Garnet Chester McCartney	363 Lytton Blvd., Toronto, Ontario.	Consulting Geologist
Secretary-Treasurer	Robert Alexander Cranston	1 Glen Willow Place, Toronto, Ontario.	Barrister

3. Directors of the Company:

NAME	ADDRESS	OCCUPATION
James Patrick Dolan	7 Glen Rush Blvd., Toronto, Ontario.	Prospector
Robert Alexander Cranston	1 Glen Willow Place, Toronto, Ontario.	Barrister
Garnet Chester McCartney	363 Lytton Blvd., Toronto, Ontario.	Consulting Geologist
Eric Cradock	37 Old Yonge Street, Toronto, Ontario.	Mining Executive

4. Names and addresses of all transfer agents:

The Sterling Trusts Corporation, 372 Bay Street, Toronto, Ontario.

5. Particulars of any fee charged upon transfer other than customary government taxes:

Fifty Cents (50¢)

6. Names and addresses of all registrars:

The Sterling Trusts Corporation, 372 Bay Street, Toronto, Ontario.

7. Amount of authorized capital:

\$5,000,000.00 divided into 5,000,000 shares of \$1.00 each.

8. Number of shares and par value: 5,000,000 shares of \$1.00 par value.

9. Full details of all shares issued in payment for properties or for any other assets other than cash:

Date	Number of Shares	Description
October 29, 1952	1,000,000	Properties described in Item 21 (b) hereof on page 3; aggregate consideration 1,000,000 shares.
Total	1,000,000	



10. Full details of all shares sold for cash.	<table><tr><th>Date</th><th>No. of Shares</th><th>Price per Share</th><th>Amount realized by Company</th></tr><tr><td>1952.....</td><td>5</td><td>\$1.00</td><td>5.00</td></tr><tr><td>1952.....</td><td>400,000</td><td>.20</td><td>80,000.00</td></tr><tr><td>1953.....</td><td>400,000</td><td>.30</td><td>120,000.00</td></tr><tr><td>1953.....</td><td>400,000</td><td>.50</td><td>200,000.00</td></tr><tr><td>1953.....</td><td>300,000</td><td>.75</td><td>225,000.00</td></tr><tr><td>1954.....</td><td>250,000</td><td>.40</td><td>100,000.00</td></tr><tr><td>1957.....</td><td>500,000</td><td>.40</td><td>200,000.00</td></tr><tr><td>Total.....</td><td>2,250,005</td><td></td><td>\$925,005.00</td></tr></table>	Date	No. of Shares	Price per Share	Amount realized by Company	1952.....	5	\$1.00	5.00	1952.....	400,000	.20	80,000.00	1953.....	400,000	.30	120,000.00	1953.....	400,000	.50	200,000.00	1953.....	300,000	.75	225,000.00	1954.....	250,000	.40	100,000.00	1957.....	500,000	.40	200,000.00	Total.....	2,250,005		\$925,005.00
Date	No. of Shares	Price per Share	Amount realized by Company																																		
1952.....	5	\$1.00	5.00																																		
1952.....	400,000	.20	80,000.00																																		
1953.....	400,000	.30	120,000.00																																		
1953.....	400,000	.50	200,000.00																																		
1953.....	300,000	.75	225,000.00																																		
1954.....	250,000	.40	100,000.00																																		
1957.....	500,000	.40	200,000.00																																		
Total.....	2,250,005		\$925,005.00																																		
11. Total number of shares issued.	3,250,005.																																				
12. Number of shares now in treasury or otherwise unissued.	1,749,995.																																				
13. Particulars of any issued shares held in trust for the Company or donated for treasury purposes.	None.																																				
14. Date of last annual meeting.	June 27th, 1958.																																				
15. Date of last report to shareholders.	April 9th, 1958.																																				
16. Details of any treasury shares (or shares issued subject to payment or shares held for the benefit of the treasury) now under option or the subject of any underwriting or sales agreement. If none, this is to be stated.	None.																																				
17. Details of any shares pooled, deposited in escrow, non-transferable or held under any syndicate agreement or control.	462,500 shares, part of the stock issued in payment for properties as set out in Item 9 on page 1, are held in escrow by The Sterling Trusts Corporation, Toronto, subject to release, etc. only upon the consent of the Ontario Securities Commission, the Toronto Stock Exchange and the directors of the Company.																																				
18. Details of any registration with or approval or authority for sale granted by or any filing with a Securities Commission or corresponding Government body.	By letter dated November 18th, 1952, the Ontario Securities Commission acknowledged receipt of the material required under the Security Act (Ontario).																																				
19. Has any application for registration with, or approval or authority for sale by or any filing with a Securities Commission or corresponding Government body ever been refused, cancelled or revoked? If so, give particulars.	No.																																				
20. Particulars of any bonds, debentures, notes, mortgages, charges, liens or hypothecations outstanding.	Not Applicable.																																				

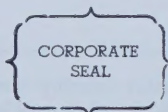


<p>21. Enumerate fully, giving claim or property numbers, approximate acreage, townships and mining camp or oil field:</p> <p>(a) Properties owned where titles vested in Company.</p> <p>(b) Properties leased.</p> <p>(c) Properties otherwise held.</p>	<p>The Company is the recorded holder of thirty (30) mining claims numbered A-270529 to A-270558 inclusive in the Township of Ste Helene, in the County of Abitibi, in the Province of Quebec.</p> <p>The Company is the holder of the following Quartz Mining Leases from the Province of Saskatchewan for a term of 21 years, commencing the 1st day of February 1957; the mineral claims referred to in the said leases being situated in the Athabasca Mining District, in the Province of Saskatchewan, and containing in all 610.95 acres —</p> <p>Lease No. M. L. 4737 "HAM #1" mineral claim and excess area "HAM #1";</p> <p>Lease No. M. L. 4738 "HAM #2" mineral claim;</p> <p>Lease No. M. L. 4739 "HAM Fr." mineral claim;</p> <p>Lease No. M. L. 4740 "HAM #3" mineral claim;</p> <p>Lease No. M. L. 4741 "HAM #4" mineral claim;</p> <p>Lease No. M. L. 4742 "HAM #5" mineral claim;</p> <p>Lease No. M. L. 4743 "HAM #6" mineral claim;</p> <p>Lease No. M. L. 4744 "HAM #7" mineral claim;</p> <p>Lease No. M. L. 4745 "HAM #8" mineral claim;</p> <p>Lease No. M. L. 4746 "HAM #9" Fr." mineral claim and excess area "HAM #9 Fr."</p> <p>Lease No. M. L. 4747 "HAM #10" mineral claim;</p> <p>Lease No. M. L. 4748 "HAM #11" mineral claim;</p> <p>Lease No. M. L. 4749 "HAM #12" mineral claim;</p> <p>See Schedule "A" on page 5.</p>
<p>22. Full particulars of any royalties or other charges payable upon production from each individual property.</p>	<p>Royalty to the Province of Saskatchewan on the value of the products of the minerals to be mined from the properties described in Item 21 (b) above as may from time to time be fixed by Order of the Lieutenant-Governor-in-Council.</p>
<p>23. Are any lawsuits pending against the Company or any of its properties, or are there any other circumstances which might affect the Company's position or title adversely? If so, explain fully.</p>	<p>No.</p>
<p>24. Describe plant and equipment on property.</p>	<p>Camp buildings and camp equipment.</p>
<p>25. Describe development accomplished and planned.</p>	<p>Prospecting, trenching, mapping, geiger counter survey and diamond drilling on properties described in (21 b); no further work is planned on this property at the present time. Magnetometer and electro-magnetic surveys by Mattagami Syndicate of a large area in the Mattagami Lake area and diamond drilling totalling 23,000 feet; further exploration work including diamond drilling is planned on claims still retained by the Syndicate.</p> <p>The Kitchigama Syndicate prior to its agreement with Noranda Mines, Limited, acquired by staking following geophysical investigation 446 mining claims.</p> <p>A geophysical survey has been completed on the 32 mining claims optioned from Armand Dumas in Isle-Dieu Township and it is planned to do diamond drilling on this property.</p> <p>The Kessagami Syndicate proposes to do ground geophysical work on its claims to be followed by diamond drilling if warranted by the results of the geophysical work.</p> <p>Line cutting has been completed on the claims known as the Ste Helene Group and referred to in paragraph 21 (a) and a geophysical survey is now being carried on on the claims.</p>



26. Date and author of mining or petroleum engineer's or geologist's report filed with this application and available for inspection on request.	February 5th, 1959 — W. J. Dean, B.S.C., P. Eng.
27. Full particulars of production to date.	None.
28. Have any dividends been paid? If so, give date, per share rate, and amount paid in dollars on each distribution.	None.
29. Name and address of the solicitor or attorney whose certificate that the applicant is a valid and subsisting company and that the shares which have been allotted and issued were legally created and are fully paid and non-assessable has been filed with the Exchange.	Lang, Michener & Cranston, 50 King Street West, Toronto 1.
30. (a) Have any shares of the Company ever been listed on any other stock exchange? If so, give particulars.  (b) Is any application for listing the shares of the Company on any other stock exchange now pending or contemplated? If so, give particulars.  (c) Has the listing of any shares of the Company ever been refused or deferred on any stock exchange? If so, give particulars.	Yes — Canadian Stock Exchange Listed on Montreal Curb Market on February 13th 1953.  No.  Yes — deferred until Mattagami Lake Mines Limited incorporated to acquire certain mining claims of the Mattagami Syndicate.
31. Particulars of the principal business in which each director has been engaged during the past five years, giving the length of time, position held and name of employing company or firm.	James Patrick Dolan: Prospector. Garnet Chester McCartney: Consulting Geologist. Robert Alexander Cranston: Partner in Lang, Michener & Cranston, barristers and solicitors.  Eric Cradock: Partner — Cradock & Co., stock brokers. President — Cradock Securities Limited, stock brokers. President — Cradock Holdings Limited.

Dated at Toronto, Ontario, the 5th day of February, 1959.



ISO URANIUM MINES LIMITED  
"J. P. DOLAN", President.  
"R. A. CRANSTON", Secretary.

## SCHEDULE "A" REFERRED TO IN ITEM 21 (c)

The Company has acquired from Orchan Mines Limited a 50% interest in an option to purchase from Armand Dumas, Amos, Quebec, thirty-two (32) mining claims in the Township of Isle-Dieu, in the Province of Quebec, numbered A-250109 to A-250125 inclusive and A-250094 to A-250108 inclusive (known as the Boucier Group). If the said option is exercised then the said Armand Dumas will be entitled to 100,000 shares of this Company and 100,000 shares of Orchan Mines Limited, or the option may be exercised by Orchan Mines Limited and this Company causing to be incorporated a new company to acquire the claims and causing the new company to issue to the said Armand Dumas one-half of all shares issued as consideration for the acquisition of the mining claims.

The Company has a one-sixth interest in the Mattagami Syndicate, which Syndicate caused to be staked a large number of mining claims in the Mattagami area of the Province of Quebec. The Syndicate members are Area Mines Limited, Dome Mines Limited, Highland Bell Limited, Leitch Gold Mines Limited, The Teck-Hughes Gold Mines, Limited and Iso Uranium Mines Limited and the members have from time to time sold certain of the mining claims to other mining companies and have granted options to other mining companies to purchase certain of the claims and this Company has received its proportion of the Vendor's consideration for the claims so sold and will be entitled to its proportion of the Vendor's consideration for the claims so optioned if the options or any of them are exercised.

The Company has a one-sixth interest in the Kitchigama Syndicate (the Syndicate members being the same as the members of the Mattagami Syndicate), which Syndicate has staked a total of 446 unpatented mining claims in the Kitchigama area in Quebec, being in the Electoral District of Abitibi East. The Syndicate members, of which this Company is one, have granted unto Noranda Mines, Limited an option to purchase the said 446 mining claims until the 1st day of October 1960. If the option is exercised then a new company is to be incorporated to acquire the mining claims with an authorized capital of \$3,000,000.00 divided into 3,000,000 shares of a par value of \$1.00 each and the Syndicate members will be entitled to receive 600,000 shares, of which this Company will be entitled to one-sixth thereof.

The Company has a one-sixth interest in the Kessagami Syndicate (the Syndicate members being the same as the members of the Mattagami Syndicate), which Syndicate has staked and is continuing to stake a large number of mining claims north-west of the Mattagami area in the Province of Quebec.

### STATEMENT SHOWING NUMBER OF SHAREHOLDERS AS OF JANUARY 16th, 1959

NUMBER	SHARES
225 Holders of 1 — 100 shares.....	21,304
638 " " 101 — 1000 " .....	335,910
75 " " 1001 — 2000 " .....	127,994
37 " " 2001 — 3000 " .....	98,050
24 " " 3001 — 4000 " .....	89,675
14 " " 4001 — 5000 " .....	66,750
100 " " 5001 — up " .....	2,510,322
1,113 Stockholders	Total Shares.....3,250,005



# FINANCIAL STATEMENTS

## ISO URANIUM MINES LIMITED

(Incorporated under the Laws of the Province of Ontario)

BALANCE SHEET AS AT 31 DECEMBER, 1958

### ASSETS

#### CURRENT:

Cash in Bank.....	\$ 217,489.46	
Accounts Receivable.....	57,188.32	
Marketable Investments at Cost — per Schedule (Market Value \$19,996.00).....	\$ 63,407.70	
Less: — Provision for Decline in Market Value.....	45,369.70	18,038.00
Term Loans to Finance Companies — Due 16 March, 1959.....		98,636.30
Field Advances.....		2,010.55
		<u>\$393,362.63</u>

#### OTHER INVESTMENTS:

300,000 shares in Mattagami Lake Mines Limited at Cost (Unlisted Market Value \$1,500,000.00).....	\$ 90,000.00	
150,000 shares in Watson Lake Mines Limited at Cost — and of which 100,000 are held in escrow.....		3,012.90
Investments Acquired by Participations With Others — per Schedule		
300,000 shares in Sanwakine Mines Limited — at Cost.....	\$ 30,945.16	
Others — at Nominal Value.....	5.00	30,950.16
		<u>123,963.06</u>

#### PARTICIPATION IN EXPLORATION SYNDICATES AND

INTERESTS THEREIN — Per Schedule.....		10,070.06
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#### MINING CLAIMS AND INTEREST THEREIN — Per Schedule.....

69,146.49

#### FIXED — At Cost:

Camp Buildings.....	\$ 950.27	
Camp Equipment.....	5,520.46	
Head Office Equipment.....	575.65	7,046.38

#### DEFERRED:

Development and Administration Charges — Per Schedule.....	\$ 183,190.75	
Incorporation Expenses.....	3,749.40	186,940.15

\$790,528.77

### LIABILITIES

#### CURRENT:

Accounts Payable and Accrued Liabilities.....	\$ 2,073.71
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### CAPITAL (Note 1)

AUTHORIZED: — 5,000,000 shares of \$1.00 each.....	<u>\$5,000,000.00</u>
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#### ISSUED: — 3,250,005 shares

##### FOR UNPATENTED MINING CLAIMS:

1,000,000 shares.....	\$1,000,000.00	
Less: — Discount thereon.....	950,000.00	\$ 50,000.00

##### FOR CASH:

2,250,005 shares.....	\$2,250,005.00	
Less: — Discount thereon .....	1,325,000.00	925,005.00

\$ 975,005.00

CAPITAL DEFICIT:.....	186,549.94	788,455.06
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\$790,528.77

NOTE 1: There are no outstanding options on the Company's stock at 31 December, 1958.

Approved on behalf of the Board:

"J. P. DOLAN", Director.

"R. A. CRANSTON", Director.

### AUDITORS' REPORT

We have examined the balance sheet of Iso Uranium Mines Limited as at 31 December, 1958 and the schedule of deferred development and administration expenses for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of the accounting records and other supporting evidence as we considered necessary in the circumstances. We have not verified the titles or leases of the Company's properties.

In our opinion the above balance sheet and schedule of deferred development and administration expenses present fairly the financial position of the Company as at 31 December, 1958 and the results of its operations for the year ended on that date.

Toronto, Ontario,  
29th January, 1959.

"JOHNSON, STEWART & CO."  
Chartered Accountants.



**ISO URANIUM MINES LIMITED**  
**CAPITAL DEFICIT AS AT 31 DECEMBER, 1958**

BALANCE AT DEBIT — 1 JANUARY, 1958.....		\$ 39,735.66	
<i>Add</i> — Net Adjustment on Write Off of Accounts Receivable.....	\$ 2,316.42		
Non-Productive Prospective and Development Expenses — per Schedule.....	331,015.19	333,331.61	
			\$373,067.27
<i>Less</i> — Adjustment of Reserve for Decline in Value of Marketable Securities.....	\$ 10,425.80		
Profit Arising from the Sale of Investments.....	10,691.87		
Profit Arising from the Sale of Shares Received through Participation in Explorations with Others — 33,333 Shares — Mattagami Lake Mines Limited.....	164,483.00		
Proceeds from Granting of Option.....	833.33		
Proceeds from Sale of 100,000 Vendor's Shares in Watson Lake Mines Limited (Being one-sixth of the proceeds).....	83.33	186,517.33	
BALANCE AT DEBIT — 31 DECEMBER, 1958.....			<u>\$186,549.94</u>

**SCHEDULE OF NON-PRODUCTIVE PROSPECTING AND DEVELOPMENT EXPENSES**  
**AS AT 31 DECEMBER, 1958**

BALANCE — 1 JANUARY, 1958.....		\$303,105.51	
EXPLORATION COSTS AT 31 DECEMBER 1957 ABANDONED IN 1958			
Bird River Area — Manitoba.....	\$ 1,928.18		
Cold Spring Group — Quebec.....	1,476.39		
Grubstake.....	1.00		
Harricanaw — Quebec.....	2,005.50	5,411.07	
TOTAL EXPENDITURES OF 1957 AND PRIOR YEARS.....			\$308,516.58
EXPLORATION COSTS — 1958			
Bird River Area — Manitoba.....	\$ 1,906.20		
Carr-Quirke Option.....	165.36		
General District — Ontario.....	3,260.35		
General District — Quebec.....	5,370.63		
Grubstakes.....	1,594.36		
Harricanaw — Quebec.....	2,100.00		
Kippawa Claims — Quebec.....	5,301.71		
Sutherland Group — Ontario.....	2,800.00		
TOTAL 1958 EXPENDITURES.....			<u>22,498.61</u>
TOTAL EXPENDITURES TO 31 DECEMBER, 1958			
CHARGED TO CAPITAL DEFICIT ACCOUNT.....			<u>\$331,015.19</u>

**SCHEDULE OF MARKETABLE INVESTMENTS**  
**AS AT 31 DECEMBER, 1958**

	<u>No. of Shares</u>	<u>Cost</u>	<u>Quoted Market Value</u>
Orchan Mines Limited.....	10,000	\$ 8,842.00	\$10,800.00
Radiore Uranium Mines Limited.....	20,900	54,565.70	9,196.00
		<u>\$63,407.70</u>	<u>\$19,996.00</u>

**INVESTMENTS ACQUIRED BY PARTICIPATION IN EXPLORATION AND  
ADVANCES TO OTHER COMPANIES AS AT 31 DECEMBER, 1958**

COMPANY	No. of Shares	Cost or Written Down Value
Blondeau Nickel Mines Limited.....	120,000	\$ 1.00
Consula Harker Mines Limited.....	65,330	1.00
Contact Minerals Limited.....	25,000	1.00
Killalla Lake Mines Limited.....	300,000	1.00
Sanwakine Mines Limited.....	300,000	30,945.16
Standard Lithium Corporation.....	128,342	1.00
		<u>\$30,950.16</u>

**SCHEDULE OF PARTICIPATION IN EXPLORATIONS WITH OTHER COMPANIES  
AND INTEREST THEREIN AS AT 31 DECEMBER, 1958**

	Cost
Mattagami Syndicate — 16.66% Interest .....	\$ 6,135.56
Kessagami Syndicate — 16.66% Interest.....	3,000.00
Kitchigama Syndicate — 16.66% Interest.....	934.50
	<u>\$10,070.06</u>

**SCHEDULE OF MINING CLAIMS AND INTEREST THEREIN  
AS AT 31 DECEMBER, 1958**

DESCRIPTION	Number of Claims	No. Shares of Capital Stock Issued at .05 Each	Value of Shares Issued	Cost of Prospecting, Staking, Etc.	Total
<b>SASKATCHEWAN</b>					
Ham Group — 100% (Leased)	12 and one Fractional Claim	1,000,000	\$50,000.00	\$ —	\$50,000.00
<b>QUEBEC</b>					
St. Helene Group — 100% (Unpatented)	30 Claims			10,106.73	10,106.73
Boucier Group — 50% (Unpatented)	32 Claims			9,039.76	9,039.76
		<u>1,000,000</u>	<u>\$50,000.00</u>	<u>\$19,146.49</u>	<u>\$69,146.49</u>



# SCHEDULE OF DEFERRED DEVELOPMENT AND ADMINISTRATION CHARGES AS AT 31 DECEMBER, 1958

## DEFERRED DEVELOPMENT:

BALANCE — 1 JANUARY, 1958.....				\$155,445.11
ADDED DURING YEAR ENDED 31 DECEMBER, 1958				
Assays.....	\$	106.15		
Consultant Fees.....		8,053.90		
Maps and Plans.....		368.58		
Repairs to Equipment.....		101.20		
Taxes, Licenses, etc.....		1,422.87		
Workmen's Compensation.....		195.08	10,247.78	
				<u>\$165,692.89</u>

## DEFERRED ADMINISTRATION:

BALANCE — 1 JANUARY, 1958.....				\$ 16,609.84
ADDED DURING YEAR ENDED 31 DECEMBER, 1958				
Advertising.....	\$	112.50		
Bank Charges and Exchange.....		28.40		
Donations.....		152.00		
Insurance.....		43.75		
Legal and Audit.....		2,161.85		
Office Expense.....		715.06		
Office Rental.....		2,004.00		
Office Salaries.....		2,125.00		
Publications, Shareholders' Reports.....		584.42		
Postage, Telephone, etc.....		376.67		
Stationery and Supplies.....		230.90		
Stock Exchange Fees.....		256.09		
Transfer Agent's Fees and Expenses.....		415.17		
				<u>\$ 9,205.81</u>
DEDUCT INVESTMENT INCOME				
Dividends Received.....	\$	1,000.00		
Interest Earned.....		7,317.79	8,317.79	888.02
				<u>17,497.86</u>

TOTAL DEFERRED DEVELOPMENT AND ADMINISTRATION CHARGES..... \$183,190.75

## CERTIFICATE

I, W. J. Dean, of the City of Toronto, in the County of York, Province of Ontario, do hereby certify that:

1. I am a Mining Geologist and Engineer residing at 56 Chaplin Crescent, Toronto 7, Ontario.
2. I am a graduate of the University of Alberta, Edmonton, Alberta, with the degree of Bachelor of Science in Mining Geology, Faculty of Applied Science, 1928.
3. I am a Registered Professional Engineer of the Province of Ontario in the Mining Division.
4. I have practised my profession as Geologist and Engineer for thirty-one years.
5. I have no interest directly or indirectly, nor do I expect to receive any interest directly or indirectly in the properties or securities of Iso Uranium Mines Limited.
6. This report dated February 5, 1959, is based on my studies of the reports and maps prepared by the various consulting geologists and engineers employed by Iso Uranium Mines Limited on the properties on which they supervised the work, on my studies of the various Government maps and geological reports covering the area on which the properties concerned are located, and on observations I have made over the last thirty-one years on trips into the general areas in which the various properties are located and in the following cases on actual visits to the properties:—

(i) Ham Group, Lake Athabaska in July 1955.

(ii) Mattagami Syndicate, Watson Lake Group in September and December, 1957.

DATED at Toronto, in the County of York, Province of Ontario, this fifth day of February, nineteen hundred and fifty-nine.

"W. J. DEAN," B.Sc., P. Eng.



## ENGINEER'S REPORT

The President and Directors,  
Iso Uranium Mines Limited,  
Room 1403, — 100 Adelaide St. West,  
Toronto 1, Ontario.

Gentlemen:

This report gives a brief up-to-date description of your following mineral holdings:—

1. Ham Group, Crackingstone Point,  
Lake Athabaska, Saskatchewan, — 100% interest
2. Mattagami Syndicate,  
Mattagami Lake Area, Quebec, —  $\frac{1}{6}$  interest
3. Boucier Property, Isle Dieu Township,  
Mattagami Lake Area, Quebec, — 50% interest

### 1. HAM GROUP — CRACKINGSTONE POINT, LAKE ATHABASKA, SASKATCHEWAN (Uranium Property)

This property consists of twelve mining claims held under lease from the Saskatchewan Government until February 21, 1978. It is located to the south and east of and adjoining the Gunnar Gold Mines producing uranium mine. It was staked in 1952. From that date until 1955 the property was developed by prospecting, geological mapping, surface trenching, a ground radiation survey (or Geiger Counter survey), by 14,783 feet of diamond drilling on several uranium showings and geological structures, and one vertical 2,940-foot hole drilled to pick up the possible Gunnar ore body extension onto this property. No ore bodies were found; neither did the deep hole pick up the Gunnar ore body extension. However, there still exist possibilities that the Gunnar ore body could extend onto your property at a possible depth of 2000 to 2200 feet. It was decided in 1955 to forgo further probing for this possibility and to wait until Gunnar had developed their ore body at depths approaching where it is thought that it might pass on to Iso's ground. This is considered to be a good location and geological bet.

### 2. MATTAGAMI SYNDICATE, MATTAGAMI LAKE AREA, QUEBEC.

This is a copper-zinc-silver-gold property.

Iso Uranium Mines Limited has a  $\frac{1}{6}$  interest in this Syndicate which also includes Leitch Gold Mines, Teck Hughes Gold Mines, Area Mines Limited, Dome Mines Limited and Highland Bell Mines Limited.

Following an airborne combined magnetometer, electromagnetic and radiation survey, a large number of mining claims in several groups were obtained by staking and optioning to cover the better looking anomalies. Diamond drilling totalling about 23,000 feet on the first of these groups indicated an ore body of about 14,000,000 tons base metal sulphide that was reported to grade 11.5% zinc, 0.66% copper, 0.016 oz. per ton of gold, and 1.11 oz. per ton of silver. This property has been sold to Mattagami Lake Mines Limited. It is reported by the president of Mattagami Lake Mines Limited that a further 37,528 feet of diamond drilling between June and September 1958 brought the indicated tonnage up to 19,763,958 tons grading 12.73% zinc, 0.73% copper, 1.26 oz. per ton of silver, and 0.020 oz. per ton of gold. Further diamond drilling is being carried out under the supervision of Noranda Mines Limited.

At the present time, the Syndicate is carrying on a programme of exploration work on some of their other holdings. Some of the other groups have been optioned on an interest basis to other exploration companies as well as to some of the members of the Syndicate.

### 3. BOUCIER PROPERTY, ISLE DIEU TOWNSHIP, MATTAGAMI LAKE AREA, QUEBEC.

This is a base metal prospect. It consists of thirty-two mining claims held under option from Mr. Armand Dumas. Iso Uranium is participating 50-50 with Orchan Mines Limited on this option. The property has been covered by an airborne magnetometer survey carried out by Dominion Gulf Company in 1948 and 1949, by an airborne combined magnetometer-electromagnetic and radiation survey carried out by Mattagami Syndicate in 1956. Development work has consisted of four trenches about 5 by 10 feet in area on one of the main magnetometer anomalies, by a ground magnetometer survey on lines at 400-ft. intervals over most of the property, and by a ground reconnaissance electromagnetic survey on a greater part of the area covered by the ground magnetometer survey. The boundaries have been surveyed by a Quebec Land Surveyor.

The four trenches showed disseminated pyrite and pyrrhotite mineralization in a basic rock. These were on an 11,000 to 13,000 gamma ground anomaly. The reconnaissance electromagnetic work did not indicate any conductors. This property is considered as being a locational bet. At the present time no further work is being recommended.

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Toronto, Ont.

Respectfully submitted,  
"W. J. DEAN", B.Sc., P. Eng.







